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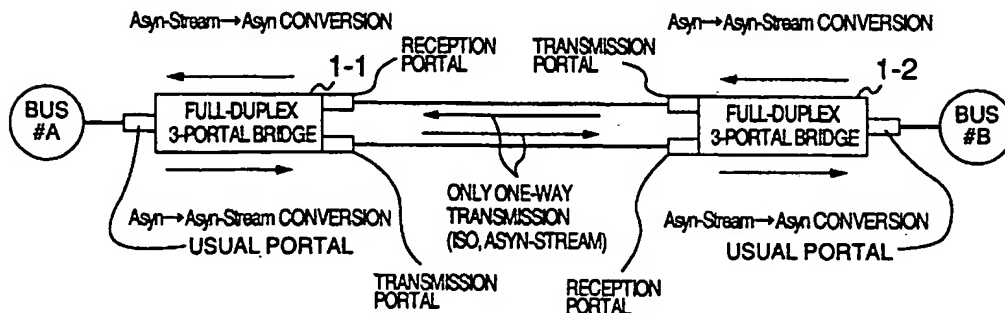
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(54) **Bridge for IEEE 1394 bus network**

(57) The two-way transmissions are performed between a first bus (#A) and a usual portal of a first full-duplex 3-port bridge (1-1) and between a second bus (#B) and a usual portal of a second full-duplex 3-port bridge (1-2), respectively. The one-way transmission of an isochronous packet and an asynchronous stream packet is performed between transmission and recep-

tion portals of the first full-duplex 3-port bridge (1-1) and reception and transmission portals of the second full-duplex 3-port bridge (1-2). The first full-duplex 3-port bridge (1-1) and the second full-duplex 3-port bridge (1-2) perform a conversion between the asynchronous stream packet and an asynchronous packet if necessary.

**FIG. 4A**



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# EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 September 2002	Examiner Gregori, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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